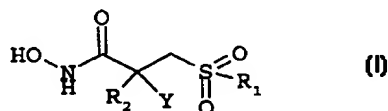




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(54) Title: α -HYDROXY, -AMINO, AND HALO DERIVATIVES OF β -SULFONYL HYDROXAMIC ACIDS AS MATRIX METALLOPROTEINASES INHIBITORS

**(57) Abstract**

The present invention provides a compound of formula (I), or pharmaceutical acceptable salts thereof wherein R_1 is C_{4-12} alkyl, C_{4-12} alkenyl, C_{4-12} alkynyl, $-(CH_2)_h-C_{3-8}$ cycloalkyl, substituted and unsubstituted $-(CH_2)_h$ -aryl, substituted and unsubstituted $-(CH_2)_h$ -het, R_2 is substituted and unsubstituted C_{1-12} alkyl, substituted and unsubstituted C_{2-12} alkenyl, substituted and unsubstituted C_{2-12} alkynyl, substituted and unsubstituted $-(CH_2)_h-C_{3-8}$ cycloalkyl, substituted and unsubstituted $-(CH_2)_h-C_{3-8}$ cycloalkenyl, substituted and unsubstituted $-(CH_2)_h$ -aryl, substituted and unsubstituted $-(CH_2)_h$ -heterocyclic ring, substituted and unsubstituted $-(CH_2)_i-X-R_4$ (X is $-O-$, $-S(=O)_2-$, $-NR_7-$, $-S(=O)_2NR_8-$, or $-C(=O)-$), and $-(CH_2)_jCHR_5R_6$. The compounds are inhibitors of matrix metalloproteinases involved in tissue degradation.